

ERRATA SHEET -UPDATE NO. 1

JULY 1999

Chapter 1 – General Information

Remove all sheets and replace with new chapter. Numbering has changed and the following changes have been made to the text.

- T. of C. Changed Figure 1-1 from “Non-National Highway System” to “Oversight Agreement”
- 1.3 Updated Roadway Design Organization and Responsibilities
- 1.5 Updated FHWA Oversight
- Figure 1-1 Replaced with new Oversight Agreement

Chapter 2 – Project Planning

Remove all sheets and replace with new chapter. Numbering has changed and the following changes have been made to the text.

- T. of C. Moved figure 2-1 and 2-2 to chapter 4 causing renumbering for entire section
- 2.3 Updated Programming process
- 2.3.1 Modified ST Project Programming to match current instructions
- 2.4 Changed figure number
- 2.4.1 Removed reference to State Restricted Funding
- Figure 2-1 Corrected Average Cost/Kilometer Chart and changed figure from 2-3 to 2-1
- 2.4.2 Removed reference to State Restricted Funding
- 2.5.1 Updated “Addition, Revision or Deletion of projects to the program” requirements
- 2.5.2 Updated to match current process
- 2.7 Modified hold-back percentage to match current procedures

Chapter 3-Environmental- Remove and replace the pages containing these sections.

- 3.2.1 Added “Section”
- 3.4.1 Added “Section”
- 3.11 Changed “Project requiring Corp. Permit” to “projects with wetlands in the area”

Chapter 4- Preliminary Design

Remove all sheets and replace with new chapter. Figure numbers and page numbers changed throughout. The following changes have been made to the text.

- 4.1 Project Development - Added information on Project Activity Flowchart
- Project Development - Added information on Project Development Checklist
- Figure 4-1 Project Activity Flow Chart moved from Chapter 2
- Figure 4-2 Project Development Checklist moved from Chapter 2
- 4.1.2 Updated Short Project Definition
- 4.1.5 Sentence added to last of paragraph that starts with “Small State”
- 4.1.5 Changed wording “features” to “standards”, “and” to “but”
- 4.1.6 Added for # and name. Added “Enhancement and”
- 4.1.7 Added Non-Bid Project

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- Figure 4-5 Added sample cover letter
- 4.2.1 Changed Appendix C to the Greenbook
- 4.4 Changed wording – Updated Tables
- 4.5 Added reference to Concept Report Guide
- 4.5.1 Added Concept Scoping procedure
- 4.5.3 Change wording per new Stewardship agreement
- 4.6 Changed CHO to ACE(D)
- 4.6.1 Changed CHO to ACE(D)
- 4.11 Removed “either prior to or”
- 4.12.3 Revised sub-section
- 4.12.6 Revised item #'s
- 4.13 Corrected section reference
- Figure 4-8 Undated Plan/Profile RR Crossing(Item #)
- Figure 4-9 Added Sketch Map
- Figure 4-10 Added sentence to second paragraph
- 4.17.4 “Hearing plans shall be prepared for display at the hearing” – Two paragraphs were deleted
- 4.18.1 Updated Subsection to match current policy
- 4.19 Moved Preliminary Bridge information from Chapter 7
- 4.19.1.3 Changed .39 to .49
- Changed “Rail Type IV” to “Parapet”
- Added “(Refer to Bridge Manual)”
- 4.19.2 Added “Consultant” and “if Bridge Section is designing the Structure”

Chapter 5- Final Design - Remove and replace the pages containing these sections and figures.

- 5.3.6 Corrected Plot Size
- Figure 5-3 of 5-4 Removed MTCE on distribution
- 5.7.4 Added “section”
- 5.9.1 Added “section”
- Figure 5-9 Updated Chart
- 5.13 Address to map drive – Bid Inserts
- 5.13.4 Added Contingency Items Sub Section
- Figure 5-19 Changed CHO to ACE(D)
- 5.17.2 Updated Bridge Data Review Section
- 5.17.3 Updated Bridge Data Review Section

Chapter 6-Design Standards - Remove and replace the pages containing these sections and figures.

- 6.1.1 Updated chart to reflect current Oversight Agreement
- 6.2 Updated Vertical Clearance for IS Structures, paragraph #1
- 6.7 Corrected Figure #
- 6.9 Updated Distances for Crossovers & added approval by FHWA on IS Crossovers
- 6.12 Removed Clear Zone graphic
- 6.12.1 Corrected Figure #

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- 6.12.1.1 Removed paragraph referencing letter for application guidelines
- 6.13.4 Corrected Figure #
- 6.13.5 Corrected Figure #
- Figure 6-10 Added G-1-M Reference
- Figure 6-11 Removed ELT/MELT Reference

Chapter 7- Hydraulics -

Remove all sheets and replace with new chapter. Numbering has changed and the following changes have been made to the text.

Moved and revised Section 7.64 of 7.7 to Chapter 4 which caused changes to Section #'s, Figure #'s and Page #'s.

- T. of C. Renumbered Sections and Figures
- 7.7 Changed Figure #
- Figure 7-1 Changed Figure #
- 7.8.6 Added “Section”
- 7.12 Changed Figure #
- Figure 7-2 Changed Figure #
- Page 7-22 Updated cover heights
Added note “All plastic pipe shall be installed to manufacturer’s specifications.”

Chapter 8 - Local Public Agency Projects- Remove and replace the pages containing these sections and pages.

- T. of C. Updated Section 8.8 subsection which caused page # changes throughout
- 8.8 Updated Section
- Page 8-11 Added page due to additional length of section 8.8

Chapter 9 - Plans - Remove and replace the pages containing these sections.

- 9.5 Updated Chart
- 9.12 Corrected Subsection reference to 405.03
Updated Spec Book year to 1999
Corrected foreslope width
- 9-2 Corrected Arrow Directions

Chapter 10 - Plans, Specifications & Estimates - Remove and replace the pages containing these sections and figures.

- 10.3.1 Deleted references to maintenance project and changed title
- 10.3.2 Part I - deleted reference to reduction of plans
Added note about District responsibility to add Standard Drawings
Part II - added note to list non-bid items with costs.
- Figure 10-4 Sheet 1 of 2
Added Standard List
Added Standard Drawings
Added List of non-bid items
- Figure 10-4 Sheet 2 of 2
“interstate changed to “full oversight”

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- 10.5.1 CHO changed to ACE(D)
- Figure 10-8 Sheet 1 of 2 - Added “Computerized Bidding Disc”
Sheet 2 of 2 – Added new list of items with new numbering system
- 10.6.1 Bid Document Assembly – new section added
- 10.6.2 Addendum section paragraph added and numbered
- 10.6.3 Addendum approval renumbered
- 10.7.2 Section rewritten
- 10.8.3 Idaho Code Section # changed
- 10.8.5 Section rewritten
- 10.8.6 Section rewritten
- 10.8.8 Idaho Code Section # changed
- 10.8.10 Third paragraph rewritten to read Preliminary Abstract
- 10.8.12 Second paragraph rewritten
Third paragraph added

Appendix C- Design Criteria

Remove all sheets and replace with new chapter. Page numbering has changed. The following changes have been made to the text.

- T. of C. Removed C.1.2, C.2.3
Added C.4.1, C.4.2, C.4.3 which caused changes to Page #'s and Section names throughout
Changed name on C.5
- Figure C-10 Realigned Table
- C.2.15 Changed CHO to ACE(D)
- C.3.19 Changed thickness from 200 mm to 205 mm
Removed reference to “(Section A-Z)”
- C.4 Modified Section to include C.4.1, C.4.2, C.4.3
- C.5 Changed name and changed wording in Section for clarity

Appendix E – Plans - Remove and insert appropriate plan sheets.

Plans sheets have the new numbering system for items added

New title blocks added to the sheets

Pipe Summary sheets have additional choices of Plastic pipe and some conflicts resolved

ERRATA SHEET – UPDATE NO. 2

JANUARY 2000

All Chapter Table of Contents – Show ⇐ Where section numbers or section names changed.

Added Table of Contents for Figures, Tables, Plans and Forms

CHAPTER 1

- 1.2 Removed reference to FHWA 11/3/97 letter
- 1.3 Added “Consultant” to Administrative Manual
- 1.6, 1.7, 1.8, 1.9 Changed to 1.7, 1.8, 1.9, 1.10
- 1.6 Added Value Engineering requirements with figures
- 1.8 Reworded Electronic Forms paragraph

CHAPTER 2

- 2.3.2 Changed ‘ITD-2709, Expenditure Voucher to Financial Services’ to ‘invoice entry and tracking forms through oracle’

CHAPTER 4

- 4.1.3 Added ‘For ITS Projects containing networking communications, Headquarters Information Services should be consulted.’
- 4.1.4 Changed ‘submits to ‘prepares’
- 4.2.1 Updated year
- Figure 4-2 Added ‘(Assure that all property monuments are located, marked, and referenced)’
- Figure 4-3 Changed ‘submits’ to ‘prepares’
- 4.1.5 Added ‘except for preventative maintenance type’ to bullet 1
Added ‘including those on the NHS’ to bullet 2
- 4.3.4 Updated year
- 4.4 Added ‘(not clear zone)’
Reworded sentence referencing Administrative Policy A-14-02
Added ST to Project Standards
- 4.5 Removed “guide”
- 4.5.1 Added note “once concepts are approved at the districts, a copy shall be submitted to Roadway Design for their records
- 4.5.3 Added (see figure 4-14 to 4-17 for examples)
- 4.6 Revised sentence referencing Administrative Policy A-14-02
Added ITD-783-B
- 4.6.1 Revised sentence referencing Administrative Policy A-14-02
- 4.11.6 Corrected section reference
- 4.17.3 Changed references from 4-9 to 4-10

CHAPTER 5

- TOC Removed ‘and SPB’
- 5.3.10 Changed references from ‘Design Approval’ to ‘environmental document’
- 5.3.15 Corrected last sentence to reference correct form
- 5.11 Removed ‘and SPB’
- 5.12.2 Reworded sentence
Updated Liquidated Damages and Cost of Plans

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5.12.3 Removed 'certification acceptance'

Reworded second paragraph

Changed Date

Figure 5-18 Updated complete figure

Figure 5-19 Changed 'CICS' to 'Project Tracking'

CHAPTER 6

TOC Added 6.13.9, Figure 6-12 and 6-13

6.1.1 Revised sentence referencing Administrative Policy A-14-02

6.9 Added information for median crossover requests

6.13.7 Reworded

6.13.8 Reworded

6.13.9 Added NCHRP-350 Implementation

Figure 6-12 Added

Figure 6-13 Added

6.14, 6.15, 6.16 moved to new page numbers

6.14 Added sentence for paving using 2.2 m posts

CHAPTER 7

7.4.1 Removed sentence concerning 100 year flood data being required for new bridges for scour design computations.

7.5.1 Reworded paragraph and changed CFR reference

7.8.7 Removed concrete pipe note

Figure 7-2 Modified note 9 referencing plastic pipe

CHAPTER 8

8.8 Changed 'review' to 'reviewed'

CHAPTER 9

9.3.2 Added 'Except for area of signs'

CHAPTER 10

TOC Added 10.8.6 Bid Justification

10.1.1 Added (3) to Idaho Code reference

10.2 Reworded complete paragraph

Figure 10.2 Removed reference to News Release

Figure 10.4 Removed reference to News Release

10.2.1 Moved last paragraph to end of section

10.6.1 Separated QA/QC and Special Provisions

10.7.4 Removed the word "acceptable" in 2 locations

10.7.5 Changed bullet 13 to read 'bidder not having a Contractor's Public Works License when required'

Added 'or acknowledgement' to bullet 14

Modified sentence to read 'the total amount of an irregular bid will be publicly announced'

10.8.8 Corrected reference to Title 38 to Title 54

APPENDIX A

A.9.4 Removed paragraph 1 referring to tank removal technician per Idaho Code

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APPENDIX C

- C.2.1 Revised sentence referencing Administrative Policy A-14-02
- C.2.15 Removed “by the Assistant Chief Engineer (Development)”
- C.2.16 Removed ‘Sideslopes and Clear Zones’ from the 3R Design Exception table
- Figure C-3 Changed ‘Deviation Explained’ to ‘Exception Approved’
- C.3.4 Changed from justified to approved as design exception
- C.3.8 Corrected 1:5 to 1:1.5
- C.5 Added ‘construction’

APPENDIX E

Revised all figure numbers to correspond to correct section
(These figures are not included in this transmittal)

APPENDIX F

Updated Forms – 783, 783B. Changed 783A to 783A (C) and added 783 A (S)

ERRATA SHEET – UPDATE NO. 3
JULY 2000

Chapter 1:

- T.O.C. Renamed 1.10 from Abbreviations to Glossary
- 1.10 Changed Abbreviations to Glossary
- 1.10 Changed ENVR to ENV
- 1.10 Changed Efficiency to Equity

Chapter 2:

- 2.7 Reworded Paragraph
- Figure 2-1 Changed layout of Figure

Chapter 3:

- Figure 3-1 Changed “Report” to “Summary”
- 3.4.1 Removed “Sheet”
- 3.8.4 Added sentence on Administrative Policy A-09-08.
- 3.8.5 #3 Added “low income” to list
- 3.8.6 #4 Changed traffic safety to user safety

Chapter 4:

- T.O.C. Changed title on 4.1.6, Changed title on 4.1.7 -, Added 4.1.8
- 4.1 Added “Enhancement Projects”
- 4.1.5 Reworded two paragraphs under state projects
- 4.1.6 Removed reference to CMAQ Projects in title and paragraph
- Reworded Paragraph #1, Removed old Step 3 and renumbered Steps
- 4.1.7 Added sub-section for CMAQ Projects
- 4.1.8 Changed number from 4.1.7 to 4.1.8
- 4.2.1 Updated year to 1999
- 4.2.1 Added “Flexibility in Highway Design (FHWA-PD-97-062)
- 4.3.1 Changed Public Convenience section
- 4.4.3 Added sub-section, added “in accordance with Administrative policy A-08-09”
- and reworded paragraph
- 4.5.1 Added District Environmental Planner to distribution of approved Simple Projects
- concepts
- 4.5.1 Added note to Complex Projects concept that after approval, a copy shall be
- distributed to the District Environmental Planner
- 4.11.6 Under Traffic Group added bike lanes
- 4.17.4 Under Public Hearing Scheduling, changed “approved” to “required” and added
- chapter 3 reference
- 4.17.4 Under Notice of Public Hearing, added “or an Environmental Assessment”

Chapter 5:

- 5.3.10 Changed “Design Approval” to “Environmental Document”
- 5.3.15 Updated paragraph
- 5.11.1 Reworded bullet #2
- 5.12.3 Changed approval date from 12/23/97 to 3/24/00
- Figure 5-16 Updated formatting error
- Figure 5-19 In Plans portion of Final Design Checklist, removed “Check that sheets are signed
- by an engineer”
- Figure 5-20 Removed reference to Public news release in Final Design transmittal letter

Figure 5-20	Changed “Report” to “Summary”
5.16.1	Changed word from “property” to “properly”
Chapter 8:	
8.8	Corrected “reproducible”
Chapter 9:	
Figure 9-2	Corrected diagram
Chapter 10:	
10.1.1	Removed “Maintenance project – 216 x 279 mm sheets are not to be stamped”
10.3	Added “and a District C.A. Review”
10.3.2	Reworded paragraph
10.3.3	Added Date of District C.A. Review, Date of Mitigation Summary Completion and Date of Environmental Commitment Verification
Figure 10-4	Added: District C.A. Review (Date) Mitigation Summary (Date) Environmental Commitment Verification (Date)
10.3.4	Changed “Report” to “Summary”
10.8.6	Reworded first paragraph
Appendix C:	
C.1.14	Changed “shall” to “should”
C.3.15	Changed “Report” to “Summary”
C.3.16	Changed “should” to “shall”
C.8.1	Corrected indentation
C.8.1	Added definition for crosswalk
C.8.1	Updated sidewalk definition
C.8.3	Changed .3 to .6 and added “the outside edge of shoulder”
C.8.3	Added reference to Standard Drawing C-2-A & B
C.8.3	Removed “where bicycle travel is significant, shoulder bikeways may be signed as bicycle routes”
C.8.3	Added two references to AASHTO 1999 Guide for the Development of Bicycle Facilities
C.8.4	Update reference publications and added phone number
C.8.6	Added reference to Special Projects sub-section 4.1.3
Appendix F: Updated 2708, 783-A (S), 783-A (C),	
Forms:	ITD-606 Changed - Chief of Highway Operations to Assistant Chief Engineer (D)

ERRATA SHEET – UPDATE NO. 4
JANUARY 2001

- Chapter 1:
1.1 Added “(organization chart)”.
- Chapter 2:
2.5.3 Added this section “Process for Obligating PE and PC”
- Chapter 4: All of Chapter 4 has been revised. Also all references to chapter 4 have been changed.
- Chapter 5:
5.9.5 Modified asterisk referring to subsection 4.16.2.
5.11.1 Reworded heading for “*Basis of Payment*”.
Figure 5-19 Added:
“and not duplication of spec book” to “Are all notes to the contractor applicable?”
Removed:
“Can DBE do 10% of contract work on federal-aid project? Modify DBE percentage?”
“Does subsection 108.01 need modified?”
“Are special provisions in the standard format?”
Figure 5-20 Changed entire Figure (multiple modifications).
- Chapter 6:
Figure 6-12 Modified categories 3 and 4.
- Chapter 7:
7.2 Modified all bullets, changing “Drainage Design” to “Chapter”.
7.3 Changed “Drainage Design” to “Chapter”.
Changed “Open File Report” to “Water- Resources Investigation”.
7.4 Removed “normally”.
7.9 Changed “discussed” to “outlined”.
Changed “Drainage Design IV Roadway – A Self-Taught Design Course” and
“Urban Storm Sewer Design for Idaho Highways.” to “FHWA publications
‘Urban Drainage Design Manual’, Hydraulic Engineering Circular No. 22.”
- Chapter 9:
9.2.4 Changed “1:200” to “1:500” in Pavement Marking Plans chart.
Changed “1:200” to “1:400” in Signal Plans chart.
9.20 Added a paragraph discussing “plotting the Standard Drawings locally for inclusion with plan sets.”
- Chapter 10:
10.3 Changed “C.A.” to “PS&E”.
10.3.2 Reworded PART II:
Changing “District Engineer, ADE Resident Engineer;” to “District Engineer and ADE or Resident Engineer and Designer.”
Adding “Verify” and “,are approved and necessary data included in proposal of plans.”
10.3.3 Changed “C.A.” to “PS&E”.

- Figure 10-4 Removed “TRANSMITTAL OF PROJECT DATA”.
Removed “plans and data”
Removed several lines.
Added Plans bullet.
Changed “C.A.” to “PS&E”.
- 10.5 Added “Notices are placed on an internet site maintained by Roadway Design.”
- Figure 10-7 Made multiple changes.
- 10.5.2 Added “and posted on the internet.”
- 10.5.3 Removed “upon request” and “to all licenses of the Public Works Contractors, State License Board, and Board of Registration of Professional Engineer and Professional Land Surveyors.”
Added “on the internet site” and “of being mailed a notice to contractors”.
- Figure 10-8 Added “Religion” and “age, disability”.
- 10.6 Changed “bid” to “proposal”.
- 10.6.1 Added “Special Provisions”.
Removed “proper”.
- Figure 10-13 Removed “PROG AMT” field.
Changed “CE, HPM, PA(2), RDE (2), CONSTR ENGR(10), MTCE ENGR(2), LR, SB” to “SHA, ACE(D), DES ENGR.(8), CONST. ENGR(5)”
- 10.7.5 Changed “is” to “shall be”.
Changed “for the following reasons” to “be handled in accordance with Administrative Policy A-14-09”.
Removed all bullets and last paragraph.
- 10.8.5 Added a paragraph discussing “Bids on STM and STKP projects”.
- 10.8.6 Added a paragraph discussing “projects with low bids that are under the Preliminary Estimate of cost by more than 25%”.
- Appendix C:
- C.8.6 Changed “4.1.3” to “4.2.4”.
- C.9 Added section C.9 Intelligent Transportation System
- Appendix D:
- TOC Added“(USGS Open File Report 7-73)” to D.4.1.
Added “(USGS Water-Resources Investigations 80-32)” to D.4.3.
Added “(USGS Open File Report 81-909)” to D.4.4.
- Appendix E:
- TOC Changed “Directions” to “Erection” (Figure E-20).
- Figure E-05 Changed “N/A” to “Proj. #” under UTILITIES bullet.
- Figure E-06 Changes in *a under RURAL TYPICAL:
Changed “.05 m” to “.45 m”
Changed “.06 m” to “.60 m”
- Appendix F:
- ITD-654 “Adversely” has been removed from the question preceding the checklist. It now reads “Does the project impact any of the following?”
- ITD-783a(s) An ITS checkbox has been added to “Proposed Work” (#19).
- ITD-783a(c) An ITS checkbox has been added to “Proposed Work” (#19).
- ITD-783c On page 8 of 12 changed * to read “As determined from field survey or ITD Sign Inventory.”

ERRATA SHEET – UPDATE NO. 5
JULY 2001

Minor editing and spelling throughout manual.

Chapter 1:

- 1.1 Updated Organization Chart
- 1.3 Added description for Utilities Engineer

Chapter 2:

- 2.3 Removed reference to STM and Stockpiles being submitted through ITIP
Changes Building Program submittals from Maintenance to Facilities Manager

Chapter 4:

- Figure 4-1a Corrected Section References and corrected links
- 4.2.1 Added 'minor bridge replacement' to Simple Project List
Added 'no design exception required' to Simple Project List
- 4.2.2 Added 'design exception required' to Complex Project List
Added 'major' to bridge replacement in Complex Project List
- 4.2.7 Removed Section References to Bridge Manual
- 4.15.4 Added 'including working through the environmental documentation'
- 4.16 Section Rewritten
- 4.16.2.1 Added Sub-Section
- 4.16.2.2 Added Sub-Section
- Figure 4-11 Changed from RD Approval to PA Review
- 4.18.1.7 Changed Maintenance Engineer to DMV Port of Entry Manager

Chapter 5:

- 5.3.10 Added 'Identify' and moved item into the list for ITD and LPA Projects
- 5.12.3 Updated seed approval date to 5/09/01
- 5.13.4 Reworded end of Sub-Section

Chapter 6:

- 6.2 Changed Maintenance Engineer to DMV Port of Entry Manager
- 6.10.3 Changed Maintenance Engineer to DMV Port of Entry Manager
- Figure 6-10 Changed item numbers to match current bid item list

Chapter 10:

- 10.1.1 Added 'The title sheet shall be endorsed by the ACE(D)'
- 10.3.4 Added Grade Books to Resident File List
Added Public Involvement Summary to Resident File List
- 10.8.6 Changed wording of Sentence
- Figure 10-4 Modified Bullet List

Appendix B

- B.1.1 Added Addendum 1 to Utility Accommodations Policy

Appendix C:

- C.2.6 Added sentence about consulting with urban area jurisdiction for widening
improvements on urban highways
- C.7 Added note on ADA Requirements
- C.8 Modifications and cleanup throughout section

ERRATA SHEET – UPDATE NO. 6
JANUARY 2002

Minor editing and spelling throughout manual.

Chapter 1:

1.1 Updated Organization Chart

Chapter 2:

2.6 Added 'If project limits change during development of a project, e-mail Highway Programming the revised milepost limits.'

Chapter 3:

3.5.1 Added 'For purchase type projects, a statement in the ITD-2101 remarks section indicating "the project meets the criteria for a 23 CFR 771.117(c) project" is sufficient.'

3.8.8 Added link to Air Quality Screening Procedures

Chapter 4:

Throughout Changed FHWA Operations Engineer to FHWA Field Operations Engineer

4.1.1 Added Constructability Reviews Subsection

Figure 4-2 Added (see R/W procedures manual)

Added Make Final Owner Contacts by Designer and Right of Way Agent

4.2.6 Added (If guardrail is installed it will be per section 6.13 – Guardrail)

4.2.10 Added 'and clearance' in step 3

Reworded first sentence in step 5

4.3.2 Added note to link new sub-section C-10.

4.6.4 Changed A-12-15 to A-12-01

4.11.1 Added link to road user cost calculation

4.13.2 Reworded first sentence of fourth paragraph under Warning Devices

4.15 Cleaned-up section wording and changed Railroad/Utility to Utility/Railroad Engineer

4.15.2 Reworded last sentence under bullet No. 5

Chapter 5:

5.3 Added 'Right-of-Entry (ROE)

5.3.4 Added 'All title reports will be coordinated with headquarters title section.'

Removed 'consecutive'

Added '(Should be shown as .5 on the original project No.)

Added 'Such as 2520 E 01 (Proj. Key # E Parcel #)'

5.3.5 Reworded paragraph under Approaches and added paragraph no. 2

5.3.8 Added '(Structures, Wells, Septics)

5.3.10 Added second Sentence in sub-section

5.3.15 Sub-section rewritten

Figure 5-3 New Example

Figure 5-4 New Example

Figure 5-16 Changed bottom margin to .75, changed footer to .4

Chapter 6:

6.7 Changed A-12-15 to A-12-01

6.9 Changed Maintenance Supervisor to District Engineer

Chapter 7:

7.2 Last Paragraph rewritten

7.3 Section rewritten

7.14 Pipe Selection Tables –

Corrugated Aluminum Pipe Arch - Changed min thickness 1800 x 1200 mm pipe to 3.4 mm

Plastic Pipe – Changed AASHTO M294M-98 to M294 & MP-7 and 300-1200mm to 300-1500mm

Chapter 10:

10.5 Renumbered section

10.5.3 Added Pre-Bid Meeting sub-section

Appendix C:

C.10 Added Section

C.3.13 Changed reference from A-12-15 to A-12-01

Appendix F:

783-C Updated Equations at bottom of page 1 of 12.

ERRATA SHEET – UPDATE NO. 7 SEPTEMBER 2002

Minor editing and spelling corrections throughout manual.

Chapter 1:

- 1.1 Revised Organization Chart
- Figure 1.1 Revised Oversight Agreement

Chapter 3:

- 3.8.11 Added 401 Certification Process
- Added NPDES to 402 Permit and added paragraph 1 to 402 Permit section

Chapter 4:

- 4.1.1 Added 'English Unit Conversion' Subsection
- Figure 4-1a Changed 'Approval' to 'Completion' under Env Doc
- Figure 4-1a Added note for additional 2101's
- Figure 4-1b Changed 'Approval' to 'Completion' under Env Doc
- Figure 4-1b Added note for additional 2101's
- 4.1.2 Change Subsection Number for Constructibility Review
- 4.2.1 Added 'Not an Enhancement Project'
- 4.2.2 Added 'Enhancement'
- 4.2.7 Added sentence concerning Enhancement Projects
- Changed LRC to LPC
- 4.3.1.1 Added Guide for Utility Management to subsection
- 4.3.1.2 Added Guide for Utility Management to Guides and References
- 4.3.4 Added Guidelines for Considering Alternate Routes
- 4.4.1 Added 'Vehicle, bicycle and pedestrian requirements shall be individually discussed and documented during the concept stage of the project.'
- Added 'Concepts will be routed to Planning Division for Bike/Ped review.'
- 4.4.1.1 Added Americans with Disabilities Act subsection stating requirements are to be met on all reconstruction and 3-R type projects, regardless of funding source and will be addressed in the concepts.
- 4.4.4 Removed reference to Concept Approval Cover being transmitted to HP
- 4.6.11 Removed Continuous
- 4.10.1 Added existing utility facilities to design considerations
- 4.10.6 Referenced 4.13.2 for Railroad Crossing under Traffic Group
- Referenced 4.13.2 for Railroad Encroachments under Right of Way Group
- 4.11 Added Paragraph 2
- 4.13 Revised Section
- Figure 4-7 Revised
- Figure 4.8 Revised
- 4.15 Revised Section
- Figure 4.11 Revised number of sets of hearing plans sent to RD

Chapter 5:

- 5.3 Reworded paragraph 2
- 5.3.4 Added 'or donations'

5.3.5 Added donations definition
 5.3.15 Changed Right-of-Way to Completion
 Figure 5-3 Added FHWA to bcc list
 5.9.1 Modified bullet #4 and #5
 5.9.5 Changed reference 4.15.2 to 4.15
 5.11 Modified wording of last sentence of paragraph #3.
 5.11.1 Modified bullet #2
 Figure 5-16 Revised

Chapter 6:

6.10.3 Changed referenced from WB-35 to WB-33D
 Figure 6-10 Modified description of G-1-C and G-2-A. Removed reference to G-2-B and G-2-G.
 Figure 6-11 Added CIAS Terminal to list
 6.17 Added Turn Bays/Lanes Section

Chapter 8:

Changed all LRC-Local Roads Coordinator references to LPC Local Project Coordinator

8.2 Added 'R/W'
 8.3 Changed 'recommended' to 'required'
 Revised Bullet #11
 8.9 Added Bullet #1
 Revised Bullet #3
 Revised number 1 under Bullet #3
 Revised number 4 under Bullet #3
 Revised number 5 under Bullet #3
 Removed number 6 under Bullet #3
 8.14 Added 'Local Project Administration' Section

Chapter 9:

9.17 Changed from Signing and Striping to Signing and Pavement Markings
 Changed striping to pavement markings paragraph 1

Chapter 10:

10.3.2 Added Utility Agreements to PS&E Submittal
 Figure 10-3 Revised Figure
 10.5.3 Added 'Mandatory attendance at Pre-Bid Meetings should not be required.'
 Figure 10-11 Revised Figure
 10.8.4 Added last sentence
 Figure 10-15a Added Bidder Registration Form

Appendix A:

A.3.1 Changed Idaho Dept of H&W references to Dept of Environmental Quality
 A.3.2 Added State Certification bullet
 Changed 'encroachment' to 'alteration' in bullet #5
 Changed wording in other permits bullet #6
 A.3.3 Changed last sentence

- A.3.4
 - Changed all references from metric to English
 - Changed all references from SWPP Plan to SWPPP
 - Added the word 'completion' and changed the word 'embankment' to 'fill'
 - bullet #5
- A.3.5
 - Changed all references from metric to English
 - Changed reference from Erosion and sediment Control Plan to SWPPP
- A.3.6
 - Changed reference from Erosion and Sediment Control Plan to SWPPP
 - Changed title of Catalog of Best Management Practices to BMP Manual
 - Changed wording bullet #12 and last paragraph
- A.3.8
 - Added word 'preliminary'
 - Added word 'subcontractors'. Changed 'both' to 'all'

Appendix B:

Deleted Appendix B and added reference link to GUM-Guide for Utility Management

Appendix C:

- C.7
 - Added 'ADA' To Title
 - Changed ADA to Americans with Disabilities Act in Paragraph
- C.8.3
 - Reworded paragraph #2 under Shoulder Bikeway

Appendix F:

- Revised 1983 Form
- Added 2161 Form

**ERRATA SHEET – UPDATE NO. 8
SEPTEMBER 2003**

Minor editing and spelling corrections throughout manual.

Removed Chapter 3, Appendix A and Appendix B and renumbered complete Manual.

Dual units shown throughout manual excepting example plans.

Section 100:

- 100.10 Revised Organization Chart
- 130.00 Changed Consultant Administration Manual to Professional Services Agreement Procedures
- 150.00 Added list of Document requested not to be sent to FHWA
- Figure 1-2 Revised Design Manual Change Request, to Form ITD-0063, Request to Change Manual

Section 200:

- 250.03 Removed Process for obligating PE and PC
- 240.00 Added “On Federal-Aid projects, FHWA authorization is required before any work occurs or notices-to-proceed are issued.”
- Figure 2-1 Revised Average Cost per Lane Mile
- 280.00 Added sub-section “Donations”

Section 300:

- Figure 3-1a Changed ITD-654 Preliminary to ITD-651 Conceptual
- Figure 3-1b Changed ITD-654 Preliminary to ITD-651 Conceptual
- Figure 3-2 Added ITD-651 Conceptual Environmental Evaluation
- 315.01 Added “(Must be coordinated with Bridge Section)”
- 315.05 Added “and Interstate 1-R”
- 320.02 Added “See FHWA Access Policy at <http://www.fhwa.dot.gov/programadmin/fraccess.html>”
- 325.01 Added sentence referencing concept reviews and bike path standards
- 330.03.01 Replace the first two paragraphs with “Refer to the current AASHTO *Roadside Design Guide* for determining recommended programs.”
- 335.01 Changed ITD-654 Preliminary to ITD-651 Conceptual
- 335.04 Added “For Type V Access See FHWA Access Policy at <http://www.fhwa.dot.gov/programadmin/fraccess.html>”
- 385.00 Removed Section and referenced Section 1000

Section 400:

- 415.02 Added “and color coded to match right-of-way acquisition area.”
- 415.04 Added “a completed signed and dated”
- 415.04 Added sentence concerning revising parcel numbers
- 415.05 Added “and stated on the legal description of the right-of-way requirement”
- 415.08 Changed “area” to “the width of the easement”
- 415.10 Added note concerning legal description closure
- Figure 4-3 Removed HP from cc list
- Figure 4-4 Removed HP from cc list

Figure 4-16 Added “Version dating is normally not used for SP’s. If dated versions do exist, modifications shall be treated the same as inserts.”

Figure 4-19 Added “Has approval been received for Proprietary items?”

460.03 Updated blanket approval dates

485.00 Removed Section and referenced Section 1000

Section 500:

530.0 Removed Section

Figure 5-2 Removed

Figure 5-3 Removed

570.09 Revised Section

Figure 5-12 Revised Figure - including changing Compliance Requirements under category 4 to “FHWA has not established a new date for compliance. This date will be no sooner than October 1, 2005.”

Figure 5-13 Revised

Section 600:

620.00 Added “**Water Resources Investigations report 02-4170, “Estimating the Magnitude of Peak Flows at Selected Recurrence Intervals for Streams in Idaho”, should be used exclusively where possible.**

<http://idaho.usgs.gov/PDF/wri024170/regression.pdf>

620.00 Added “Where the use of the Water Resources Investigations report 02-4170 is not possible,”

620.00 Added “Water Resources Investigations report 02-4170, “*Estimating the Magnitude of Peak Flows at Selected Recurrence Intervals for Streams in Idaho*”. (Appendix **XXX**)

620.00 Added “Note: USGS is currently working on a computerized application for these regression equations that will be available on a web site at a future date.”

640.00 Added paragraph #1.

640.03 Added sentence defining high water

640.03 Added sentences about headwater and culvert design for 100-year flood.

640.07 Added sentence about beveled headwalls

Section 700:

720.00 Changed ITD-654, Preliminary to ITD-651, Conceptual

740.00 Removed Section and referenced Section 1000

Section 800:

885.00 Added “If there is a structure on the project, one set will be forwarded to the Bridge Section”

Section 900:

940.04 Replaced 4 bullets with “will be posted on the internet except when only one bid is received for a contract”

Section 1000:

1000.00 Added new Section titled Structures

Appendix A:

A.05.02 Changed Preliminary ITD-654 to Conceptual ITD-651

Figure A-3 Changed Preliminary ITD-654 to Conceptual ITD-651

A.15.01 Added "In some cases, the cost of construction for the recommended level of service becomes prohibitive and a lower level of service is acceptable for economic reasons. Justification for the reduced level of service must be documented."

A.15.15 Added "ITD-651"

A.25 Revised Section

A.40.03 Changed pavement edge to travel way

Appendix B:

B.10.03 Added "HEC 23 Bridge Scour and Storm Instability Countermeasures"

B.10.10 Changed 0.817 to 0.6

B.10.10 Added "HEC-22"

B.10.10 Added "HEC-21"

B.10.11 Added "U.S. Geological Survey Water Resource Investigations 02-4170"

B.10.13 Removed second sentence of first paragraph about available headwater

B.10.13 Added "to the bottom of the subgrade"

B.10.13 Added "**(Subgrade elevation is interpreted to be the bottom of the aggregate base course)**"

B.10.13 Changed should to shall

B.20.01 Added paragraph about Floodplain Development Permit

B.20.01 Added paragraph about increasing water surface elevation in the regulatory floodway

B.40.01 Added "U.S. Geological Survey Water Resource Investigations 02-4170"
Including summary

Appendix C:

C.10 Revised paragraph

Appendix D:

D.10 Added 651, Conceptual Environmental Evaluation

D.10 Modified 2708, Preliminary Project Concept

D.10 Modified 783-A (S) Design Standards – Simple

D.10 Modified 783- A (C) Design Standards - Complex